

WHAT IS CLAIMED IS:

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1. A programmable controller for controlling a controlled apparatus by pulse output, comprising:

a pulse generating section for outputting a pulse string

5 having a set cycle,

a pulse dividing section for dividing the pulse string output from said pulse generating section at a predetermined dividing ratio and for outputting an interruption request signal having a cycle which is  $n$  times ( $n$  is a positive integer)

10 as great as the cycle of the pulse string, and

a central processing unit for executing an interruption processing in response to the interruption request signal output from said pulse dividing section so as to control the output of said pulse generating section.

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2. The programmable controller according to claim 1, wherein

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said central processing unit sets a dividing ratio to be used for division of the pulse dividing section, controls the number of pulses output from said pulse generating section, and  
20 sets the dividing ratio to be equal to the number of pulses which have not been output when the number of the pulses which are output is smaller than  $2n$ .

3. The programmable controller according to claim 1, wherein  
said central processing unit changes the dividing ratio  
to be used for the division of said pulse dividing section  
depending on the cycle of the pulse string output from said pulse  
5 generating section.

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